



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090221

Mode: Highway

Status: Submitted

US-401

From/Cross Street: US 401 Business North of Laurinburg

Specific Improvement Type: 1 - Widen Existing Roadway

To: US 401 Business East of Raeford

Project Category: Statewide Mobility

Length: 21.59

TIP#: R-3333

Fully Funded in Draft STIP? No

Cost to NCDOT: \$162,650,000

Description:

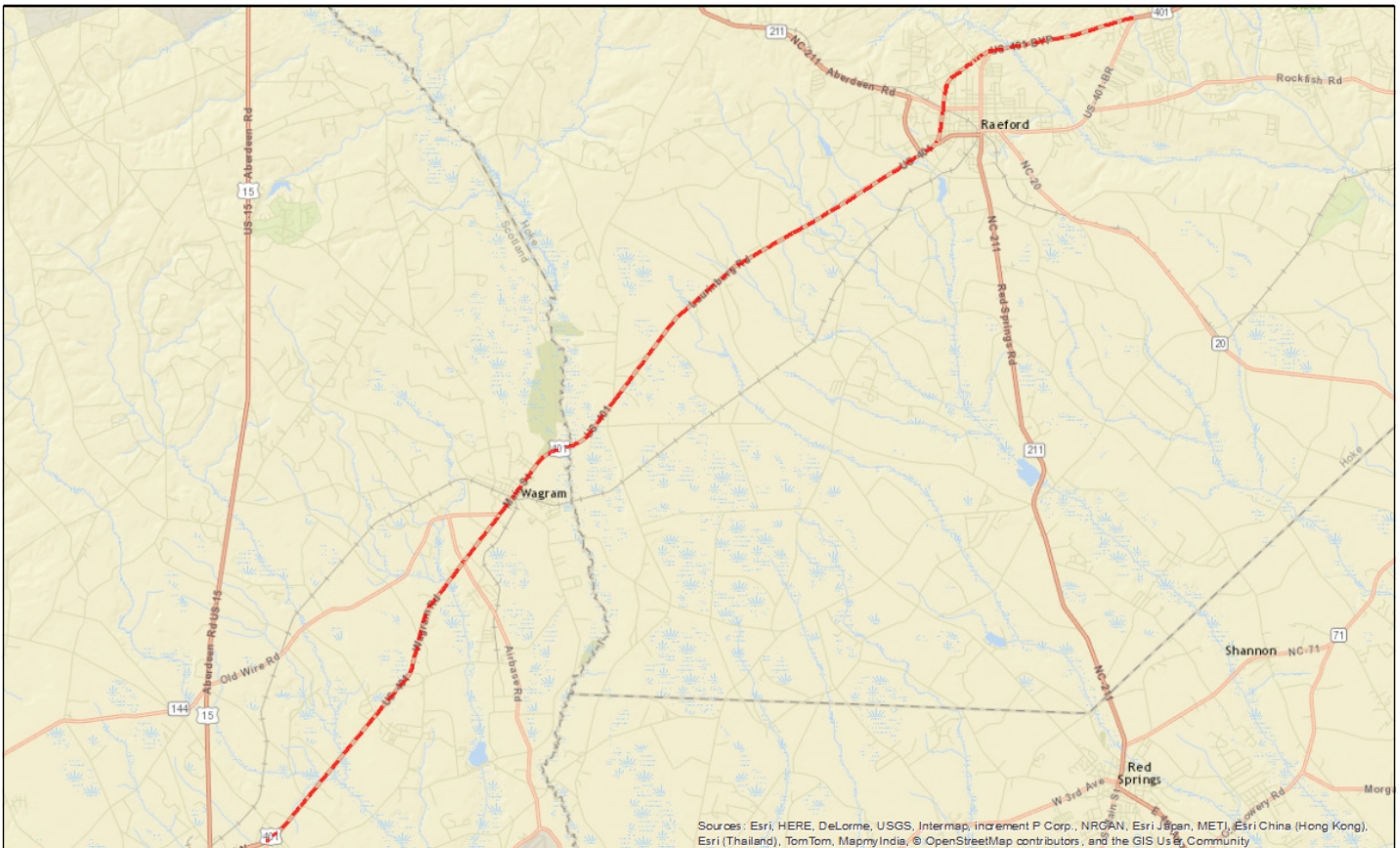
US 401 Business North of Laurinburg to US 401 Business East of Raeford. Widen to Multi-Lanes..

Division(s): Division 8

County(s): HOKE, SCOTLAND

MPOS(s)/RPO(s): Lumber River RPO, Fayetteville Area MPO

Project Location



Statewide Mobility Total Score: 18.49

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 30.09 Safety (10%) 59.59 Economic Competitiveness (10%) 6.19 Multimodal + [Freight & Military] (20%) 14.01 [Travel Time] Benefit/Cost (30%) 0.28	N/A	N/A
Totals: Weight: 100% Weighted Score: 18.49		

Regional Impact Total Score: 31.95

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 30.09 Safety (10%) 59.59 Accessibility / Connectivity (10%) 34.00 [Travel Time] Benefit/Cost (25%) 0.28	Percent: 15% Points: 0	Percent: 15% Points: 100
Totals: Weight: 70% Weighted Score: 16.95		

Division Needs Total Score: 37.03

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 30.09 Safety (10%) 59.59 [Travel Time] Benefit/Cost (20%) 0.28	Percent: 25% Points: 0	Percent: 25% Points: 100
Totals: Weight: 50% Weighted Score: 12.03		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	53
Length (miles):	21.59
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	7334.61
Capacity:	16203.94
Volume/Capacity Ratio:	0.45
% Autos:	93%
% Trucks:	7%
Truck Volume:	538.02
Crash Density:	65.9
Crash Severity:	63.31
Critical Crash Rate:	49.58
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	26
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	94
Actual Congested Speed:	52.07
Travel Time Index:	1.02

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	21.59
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	2012256.12
Travel Time Savings for 30 Years (Autos):	1864650.12
Travel Time Savings for 30 Years (Trucks):	147606
Long-Term Employment:	35
% Change in Economy:	8.88E-05
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 8

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 8	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Lumber River RPO	76%	76	76
Fayetteville Area MPO	24%	24	24
	0%	0	0
TOTAL MPO/RPO Points		100	100

Project Cost and Source

Construction Cost:	\$117,078,000	TIP Unit
Right-of-Way Cost:	\$40,689,000	Cost Estimation Tool
Utilities Cost:	\$4,883,000	Cost Estimation Tool
Total Project Cost:	\$162,650,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$162,650,000	